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PowerDrive LLC

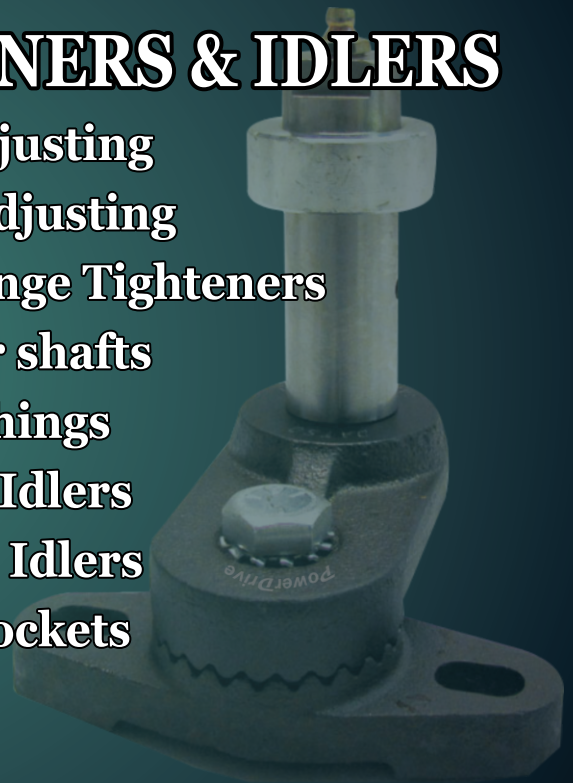
MECHANICAL P.T. COMPONENTS

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TIGHTENERS & IDLERS

- Single Adjusting
- Double Adjusting
- Fixed Flange Tighteners
- Tightener shafts
- Idler bushings
- Flat Face Idlers
- V-Groove Idlers
- Idler Sprockets
- Idlers



Toll Free : 877-564-1600

info@powerdrive.com



SHEAVES

FIXED PITCH	AK15 to AK184	2AK20 to 2AK184	BK19 to BK190
	2BK25 to 2BK190	3BK25 to 3BK40	BS24 to BS190
	AS15 to AS124	AL54 to AL124	OK12 to OK100
VARIABLE PITCH	1VP25 to 1VP75	2VP36 to 2VP75	1VL25 to 1VL44
H BUSHED	AK30H to AK184H	2AK36 to 2AK184H	BK30H to BK190H
	2BK32H to 2BK190H		3BK45H to 3BK190H
QUICK DETACHABLE(PQD)	1B to 10B	1C to 12C	3D to 12D
	1-3V to 10-3V	2-5V to 10-5V	4-8V to 12-8V
SPLIT TAPER(PST)	1TA to 4TA	1TB to 6TB	1TC to 6TC
	2B to 10B		1C to 12C
PDB5V™	1-6B & 5V		
Material :- Cast Iron, Aluminum, Zinc & Nylon			



TIMING PULLEYS & PULLEY STOCK

IMPERIAL SERIES	MXL, 40DP, XL, L, H, XH, XXH pitch
HTD® & POLYCHAIN® SERIES	3M, 5M, 8M, 14M & 20M pitch
METRIC SERIES	T2.5, T5, T10, T20, AT5, AT10 & AT20 pitch
TYPES OF BORE	Split Taper (PST), Taper Lock (TL®), Quick Detachable(PQD)
MATERIAL	Steel, Aluminum, Stainless Steel & Nylon
SURFACE TREATMENT	Black Oxidizing, Phosphating, Clear Anodizing



BUSHINGS & HUBS

QUICK DETACHABLE(PQD)	QT, JA, SH, SDS, SD, SK, SF, E, F, J, M, N & P
SPLIT TAPER(PST)	G, H, P1 - P3, B, Q1 - Q3, R1, R2, S1, S2, U0, U1, U2, W1, W2 & Y0
TAPER LOCK (TL®)	1008, 1108, 1210, 1215, 1610, 1615, 2012,
	2517, 2525, 3020, 3030, 3535, 4040, 4545 & 5050
XTB®/XTH®	15, 20, 25, 30, 35, 40, 45, 50, 60, 70, 80, 100 & 120



SPROCKETS

ROLLER CHAIN SPROCKETS INDUCTION HARDENED			AMERICAN STANDARD			
TYPE	PITCH RANGE	PITCH	Sprocket No.	Tooth No.	Sprocket No.	Tooth No.
A	25 to 120	1/4" - 1 1/2"	25	10 - 80	80	8 - 112
B	35 to 100	3/8 - 1 1/4	35	8 - 112	100	7 - 96
FB	35 to 80	3/8 - 1	40	8 - 112	120	8 - 90
PST	35 to 80	3/8 - 1	41	6 - 112	140	11 - 80
TL®	35 to 80	3/8 - 1	50	8 - 112	160	8 - 80
PQD	40-41 to 80	1/2 - 1	60	8 - 112	200	10 - 60
All available in Single, Double & Triple configuration Each type available from 8 thru 125 teeth.						

For more information call 606-564-6100 or Fax at 606-564-5700 or email us at info@powerdrive.com

PDB5V™ is Trademark of POWER DRIVE, LLC. XTB® & XTH® are registered Trademarks of Emerson Power Transmission. Taper Lock® is a Registered Trademark of Dodge.



***PowerDrive* LLC**

MECHANICAL P.T. COMPONENTS
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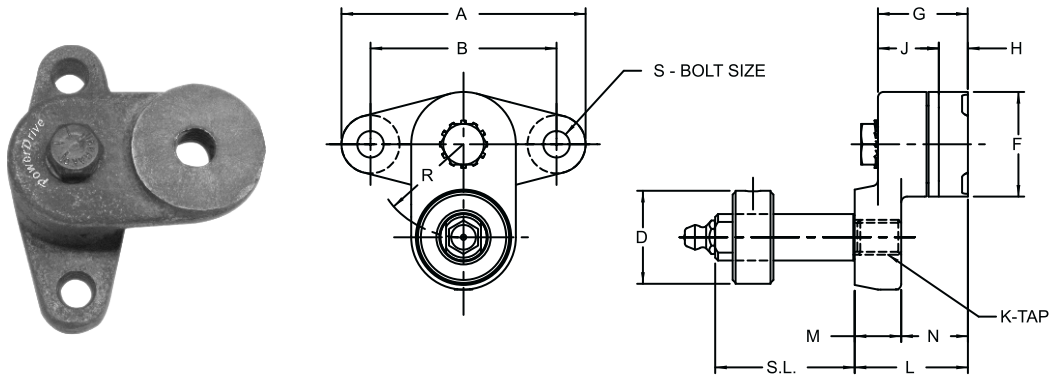
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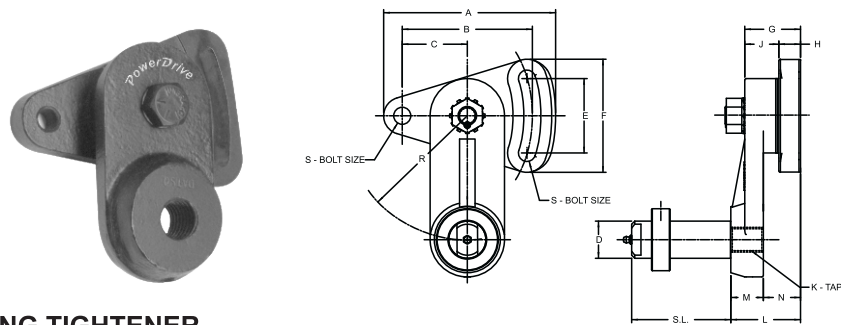


DRIVE TIGHTENER



ADJUSTING TIGHTENER

Part No.	SHAFT	DIMENSIONS														Wt. Lbs.
		A	B	D	F	G	H	J	K	L	M	N	R	S	S.L.	
ATN1	N1 #	2 5/8"	2"	0.500"	1 1/8	15/16"	5/16"	5/8"	3/8 - 16	1 3/16"	1/2"	11/16"	1"	1/4"	1 1/2"	0.50
ATH	None ~	4 1/2	3 1/2	-	2	1 11/16	5/8	1 1/16	1/2 - 13	2 1/16	7/8	1 3/16	2	3/8	-	2.80
ATP	None ~	4 1/2	3 1/2	-	2	1 11/16	5/8	1 1/16	5/8 - 11	2 1/16	7/8	1 3/16	2	3/8	-	2.70
ATQ	None ~	4 1/2	3 1/2	-	2	1 11/16	5/8	1 1/16	3/4 - 10	2 1/16	7/8	1 3/16	2	3/8	-	2.60
ATQ	N2 *	4 1/2	3 1/2	1.000	2	1 11/16	5/8	1 1/16	3/4 - 10	2 1/16	7/8	1 3/16	2	3/8	2 1/8	3.50
ATQ	N3 *	4 1/2	3 1/2	1.000	2	1 11/16	5/8	1 1/16	3/4 - 10	2 1/16	7/8	1 3/16	2	3/8	3 1/8	3.70
ATQ	N4 *	4 1/2	3 1/2	1.000	2	1 11/16	5/8	1 1/16	3/4 - 10	2 1/16	7/8	1 3/16	2	3/8	4 1/8	4.00
ATQ-1	None *	6 3/4	5 1/4	-	3	2 3/8	1 3/16	1 9/16	1 - 8	2 15/16	1 5/16	1 5/8	5	5/8	-	9.80
ATQ-1	N5 *	6 3/4	5 1/4	1.500	3	2 3/8	1 3/16	1 9/16	1 - 8	2 15/16	1 5/16	1 5/8	5	5/8	4	12.30
ATQ-1	N6 *	6 3/4	5 1/4	1.500	3	2 3/8	1 3/16	1 9/16	1 - 8	2 15/16	1 5/16	1 5/8	5	5/8	6	13.30



DOUBLE ADJUSTING TIGHTENER

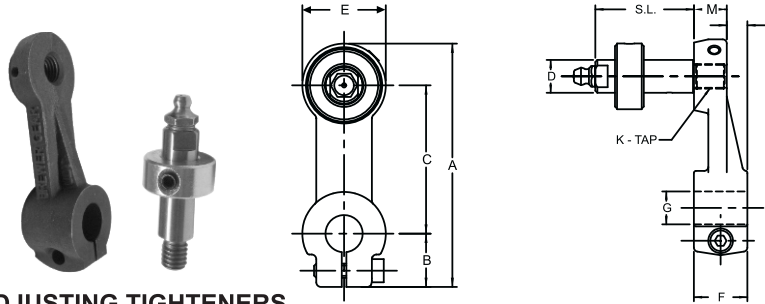
Part No.	Type	SHAFT	DIMENSIONS																	Wt. Lbs.
			A	B	C	D	E	F	G	H	J	K	L	M	N	R	S	S.L.		
DATN1	2	N1 #	2 23/32"	2"	15/16"	0.500"	1 1/4"	1 31/32"	15/16"	3/8"	9/16"	3/8-16	1 3/16"	1 1/2"	11/16"	1"	1/4"	1 1/2"	0.50	
DATSH	1	None ~	4 5/8	3 1/2	1 3/4	-	2 1/16	3 1/4	1 5/16	3/8"	15/16	9/16 Dia.	2 1/16	3/8	1 11/16	2	3/8	-	2.80	
DATSP	1	None ~	4 5/8	3 1/2	1 3/4	-	2 1/16	3 1/4	1 5/16	3/8"	15/16	11/16 Dia.	2 1/16	3/8	1 11/16	2	3/8	-	2.70	
DATSQ	1	None ~	4 5/8	3 1/2	1 3/4	-	2 1/16	3 1/4	1 5/16	3/8"	15/16	25/32 Dia.	2 1/16	3/8	1 11/16	2	3/8	-	2.60	
DATSQ	1	N2 *	4 5/8	3 1/2	1 3/4	1.000	2 1/16	3 1/4	1 5/16	3/8"	15/16	25/32 Dia.	2 1/16	3/8	1 11/16	2	3/8	2 1/8	3.50	
DATSQ	1	N3 *	4 5/8	3 1/2	1 3/4	1.000	2 1/16	3 1/4	1 5/16	3/8"	15/16	25/32 Dia.	2 1/16	3/8	1 11/16	2	3/8	3 1/8	3.70	
DATSQ	1	N4 *	4 5/8	3 1/2	1 3/4	1.000	2 1/16	3 1/4	1 5/16	3/8"	15/16	25/32 Dia.	2 1/16	3/8	1 11/16	2	3/8	4 1/8	4.00	
DATQ-1	2	N4 *	6 15/16	5 1/4	2 5/8	-	3	4 9/16	2 3/8	7/8"	1 1/2	1 - 8	2 15/16	15/16	1 5/8	5	5/8	-	9.80	
DATQ-1	2	None *	6 15/16	5 1/4	2 5/8	1.500	3	4 9/16	2 3/8	7/8"	1 1/2	1 - 8	2 15/16	15/16	1 5/8	5	5/8	4	12.30	
DATQ-1	2	N6 *	6 15/16	5 1/4	2 5/8	1.500	3	4 9/16	2 3/8	7/8"	1 1/2	1 - 8	2 15/16	15/16	1 5/8	5	5/8	6	13.30	

Shaft is included

~ No Shaft is required when used with Idler Bushing shown on page U-3

* Shaft must be ordered separately

DRIVE TIGHTENER



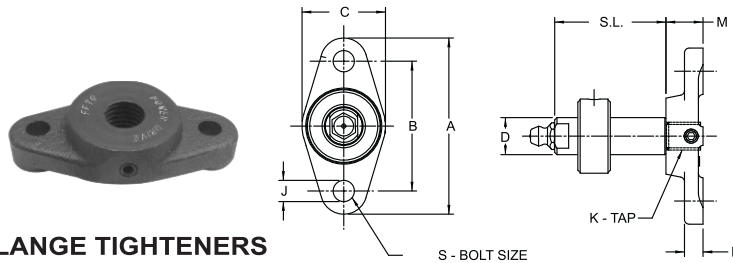
SINGLE ADJUSTING TIGHTENERS

Part No.	SHAFT	DIMENSIONS											Wt. Lbs.
		A	B	C	D	E	F	G	K	M	N	S.L.	
SATN1	N1 #	3 9/32"	23/32"	2"	0.500"	1 1/8"	13/16"	1/2"	3/8 - 16	1/2"	5/16"	1 1/2"	0.8
SATH	None ~	6 1/4	1 1/4	4	-	2	1 5/8	1	1/2 - 13	7/8	3/4	-	2.4
SATP	None ~	6 1/4	1 1/4	4	-	2	1 5/8	1	5/8 - 11	7/8	3/4	-	2.3
SATQ	None ~	6 1/4	1 1/4	4	-	2	1 5/8	1	3/4 - 10	7/8	3/4	-	2.3
SATQ	N2 *	6 1/4	1 1/4	4	1.000	2	1 5/8	1	3/4 - 10	7/8	3/4	2 1/8	2.9
SATQ	N3 *	6 1/4	1 1/4	4	1.000	2	1 5/8	1	3/4 - 10	7/8	3/4	3 1/8	3.1
SATQ	N4 *	6 1/4	1 1/4	4	1.000	2	1 5/8	1	3/4 - 10	7/8	3/4	4 1/8	3.4
SATQ-1	None *	9 3/8	1 7/8	6	-	3	2 7/16	1 1/2	1 - 8	1 5/16	1 1/8	-	8
SATQ-1	N5 *	9 3/8	1 7/8	6	1.500	3	2 7/16	1 1/2	1 - 8	1 5/16	1 1/8	4	10.5
SATQ-1	N6 *	9 3/8	1 7/8	6	1.500	3	2 7/16	1 1/2	1 - 8	1 5/16	1 1/8	6	11.5

Shaft is included

~ No Shaft is required when used with Idler Bushing shown on page U-3

* Shaft must be ordered separately



FIXED FLANGE TIGHTENERS

Part No.	SHAFT	DIMENSIONS										Wt. Lbs.
		A	B	C	D	H	J	K	M	S.L.	* S	
FFTN1	N1 ~	2 3/8"	1 3/4"	1 1/8"	0.500"	1/4"	9/32"	3/8 - 16	1/2"	1 1/2"	1/4"	0.3
FFTH	None	4	3	2	-	1/2	9/16	1/2 - 13	15/16	-	3/8	0.9
FFTP	None	4	3	2	-	1/2	9/16	5/8 - 11	15/16	-	3/8	0.9
FFTQ	None	4	3	2	-	1/2	9/16	3/4 - 10	15/16	-	3/8	0.8
FFTQ	N2 @	4	3	2	1	1/2	9/16	3/4 - 10	15/16	2 1/8	3/8	1.6
FFTQ	N3 @	4	3	2	1	1/2	9/16	3/4 - 10	15/16	3 1/8	3/8	1.8
FFTQ	N4 @	4	3	2	1	1/2	9/16	3/4 - 10	15/16	4 1/8	3/8	2.1
FFTQ-1	None	7 1/2	6	3 1/2	-	3/4	15/16	1 - 8	1 7/16	-	5/8	4.8
FFTQ-1	N5 @	7 1/2	6	3 1/2	1.5	3/4	15/16	1 - 8	1 7/16	4	5/8	7.3
FFTQ-1	N6 @	7 1/2	6	3 1/2	1.5	3/4	15/16	1 - 8	1 7/16	6	5/8	8.5

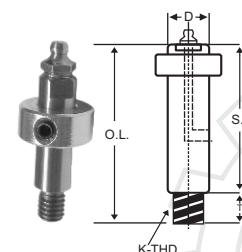
Shaft is included

~ No Shaft is required when used with Idler Bushing shown on page U-3

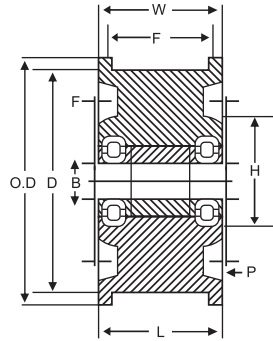
* Shaft must be ordered separately

TIGHTENER SHAFTS

Part No.	O.L.	DIMENSIONS (INCH)				Wt. Lbs.
		D	K	T	S.L.	
N1	2 5/16"	0.500"	3/8 - 16	7/16"	1 1/2"	0.13
N2	3 3/8	1.000	3/4 - 10	7/8	2 1/8	0.60
N3	4 3/8	1.000	3/4 - 10	7/8	3 1/8	0.90
N4	5 3/8	1.000	3/4 - 10	7/8	4 1/8	1.00
N5	5 11/16	1.500	1 - 8	1 5/16	4	2.80
N6	7 11/16	1.500	1 - 8	1 5/16	6	3.80



IDLERS

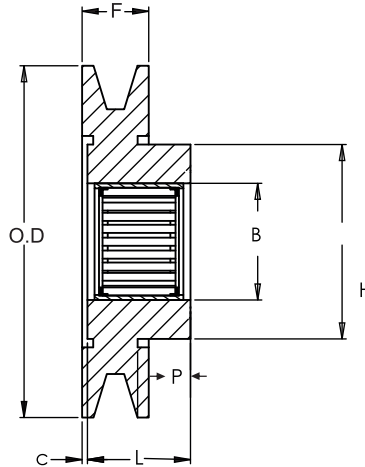


FLAT FACE IDLERS

Part No.	SHAFT LENGTH	DIMENSION (INCH)										Wt. Lbs.	RADIAL LOAD CAPACITY IN POUNDS BASED ON 2500 HOURS AVG.LIFE AT RPM SHOWS							
		O.D.	D	B	H	W	F	L	P	C	100		500	1000	1500	2000	2500	3000	3500	
N1D05F	1 1/2*	1 3/4"	1 3/8	1/2"	1 1/4"	3/4	9/16"	7/8"	1/8"	1/8"	0.30	665	406	331	294	269	250	237	226	
N4D1F	2 1/8*	4 3/8	4	1	1 7/8	2 7/16	1 1/16	1 1/4	1/8"	5/16	3.00	2927	1787	1458	1295	1185	1104	1047	997	
N4D2F	3 1/8*	4 3/8	4	1	1 7/8	2 7/16	2 1/16	2 1/2	1/8"	1/16	5.00	4348	2654	2166	1922	1760	1640	1544	1482	
N4D3F	4 1/8*	4 3/8	4	1	1 7/8	3 7/16	3 1/16	3 1/2	1/8"	1/16	7.80	5854	3574	2916	2590	2370	2208	2094	1994	
N6D4F	6*	7	4	1 1/2	2 5/8	5	4 1/2	4	1/8"	1 1/8	22.50	5884	3592	2930	2602	2380	2218	2102	2004	
N6D6F	6*	7	4	1 1/2	2 5/8	6 3/4	6 1/4	5	1/8"	1 7/8	29.50	5884	3592	2930	2602	2380	2218	2102	2004	
4D1FH	H1 []	4 3/8	4	[]	-	1 7/16	1 1/16	7/8	-	9/16	3.40	1518	1016	854	772	718	678	648	624	
4D2FP	P1 []	4 3/8	4	[]	-	2 7/16	2 1/16	1 5/16	-	1 1/8	4.60	1518	1016	854	772	718	678	648	624	
4D3FP	P1 []	4 3/8	4	[]	-	3 7/16	3 1/16	1 5/16	-	2 1/8	5.60	1518	1016	854	772	718	678	648	624	

* For use with Drive Tighteners

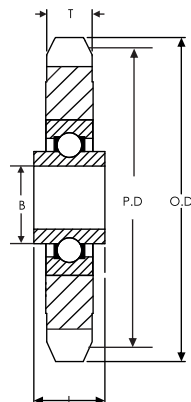
[] For use with IDH1-1/2, IDP1-5/8 IDLER BUSHINGS.



V-BELT SHEAVE IDLERS

Part No.	SHAFT LENGTH	BELT SIZE	DIMENSION (INCH)							Wt. Lbs.	RADIAL LOAD CAPACITY IN POUNDS BASED ON 2500 HOURS AVG.LIFE AT RPM SHOWS							
			O.D	B	H	F	L	P	C		100	500	1000	1500	2000	2500	3000	3500
NOK17	1 1/2"	3L	1.92"	1/2"	1/2"	1/2"	3/4"	1/4"	0	0.1	665	406	331	294	269	250	237	226
NAK25	1 1/2"	4L or A	2.50	1/2	1/2	21/32	3/4	1/4	5/32"	0.3	665	406	331	294	269	250	237	226
NAK30	1 1/2"	4L or A	3.05	1/2	1/2	21/32	3/4	1/4	5/32	0.5	665	406	331	294	269	250	237	226
NAK41	2 1/8"	4L or A	3.95	1	1	3/4	1	5/16	1/16	1.0	2174	1327	1083	961	880	820	772	741
NBK40	2 1/8"	5L or B	3.96	1	1	7/8	1	1/4	1/8	1.1	2174	1327	1083	961	880	820	772	741
NBK52	2 1/8"	5L or B	4.96	1	1	7/8	1	1/4	1/8	1.6	2174	1327	1083	961	880	820	772	741

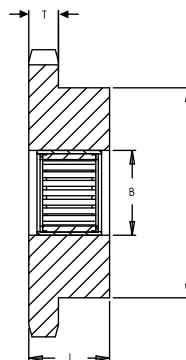
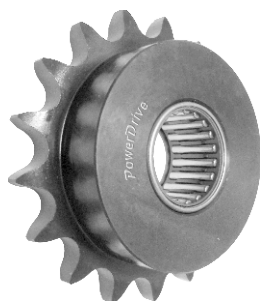
IDLERS



SPROCKET IDLERS WITH BALL BEARINGS *

PART NO.	CHAIN SIZE	NO. OF TEETH	DIMENSIONS					Wt. Lbs.	RADIAL LOAD CAPACITY IN POUNDS BASED ON 2500 HOURS AVERAGE LIFE AT RPM SHOWN				
			O.D.	P.D.	B	L	T		100	300	600	900	1200
HB40A17 X 5/8	40	17	2.96"	2.721"	0.63"	0.72"	0.284"	0.5	530	360	298	262	230
HB50A15 X 5/8	50	15	3.32	3.006	0.63	0.72	0.343	0.6	530	360	298	262	230
HB60A13 X 5/8	60	13	3.49	3.134	0.63	0.72	0.459	0.8	530	360	298	262	230
HB80A12 X 3/4	80	12	4.33	3.864	0.75	0.72	0.575	1.5	1660	1262	1061	958	892

* Not for use with Drive Tightners



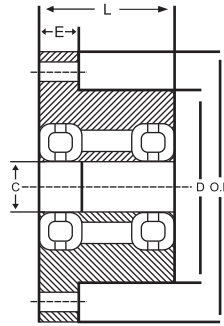
SPROCKET IDLERS WITH NEEDLE BEARINGS

Part No.	SHAFT LENGTH	CHAIN SIZE	NO. OF TEETH	DIMENSIONS						Wt. Lbs.	RADIAL LOAD CAPACITY IN POUNDS BASED ON 2500 HOURS AVG. LIFE AT RPM SHOWS							
				O.D.	T	M	H	L	B		100	500	1000	1500	2000	2500	3000	3500
HN25B19	1 1/2"	25	19	1.65"	0.110"	-	1 7/32"	3/4"	1/2"	0.1	665	406	331	294	269	250	237	226
HN35B13	1 1/2"	35	13	1.75	0.168	-	1 5/32"	3/4"	1/2"	0.1	665	406	331	294	269	250	237	226
HN35B19	2 1/8"	35	19	2.47	0.168	-	1 13/16"	1	1	0.3	2174	1327	1083	961	880	820	772	741
HN41B19	2 1/8"	41	19	3.28	0.227	-	2 7/16"	1	1	0.9	2174	1327	1083	961	880	820	-	-
HN40B19	2 1/8"	40	19	3.28	0.284	-	2 7/16"	1	1	1	2174	1327	1083	961	880	820	-	-
HN50B17	2 1/8"	50	17	3.72	0.343	-	2 5/8"	1	1	1.3	2174	1327	1083	961	880	820	-	-
HN60B17	2 1/8"	60	17	4.46	0.459	-	2 5/8"	1	1	1.9	2174	1327	1083	961	880	-	-	-
HN80B13	2 1/8"	80	13	4.66	0.575	-	2 5/8"	1 1/4"	1	2.6	2174	1327	1083	961	880	-	-	-
HN100B11	4	100	11	5.01	0.692	-	2 31/32"	1 7/8"	1 1/2"	3.7	5884	3592	2930	2602	-	-	-	-
HN120B11	4	120	11	6.01	0.924	-	3 11/16"	2	1 1/2"	7.1	5884	3592	2930	2602	-	-	-	-
HN140B11	4	140	11	7.01	0.924	-	4 3/16"	2 1/4"	1 1/2"	10.8	5884	3592	2930	2602	-	-	-	-
HND35B19	2 1/8"	35-2	19	2.47	0.162	0.561"	1 13/16"	1	1	0.4	2174	1327	1083	961	880	820	772	741
HND40B19	2 1/8"	40-2	19	3.28	0.275	0.841	2 7/16"	1 1/4"	1	1.6	2927	1787	1458	1295	1185	1104	-	-
HND50B17	2 1/8"	50-2	17	3.72	0.332	1.045	2 5/8"	1 3/8"	1	2	2927	1787	1458	1295	1185	-	-	-
HND60B17	3 1/8"	60-2	17	4.46	0.444	1.341	2 5/8"	1 3/4"	1	4	4348	2654	2166	1922	1760	-	-	-
HND80B13	3 1/8"	80-2	13	4.66	0.557	1.710	2 5/8"	2 1/4"	1	5.2	4348	2654	2166	1922	-	-	-	-
HND100B11	4	100-2	11	5.01	0.669	2.077	2 21/32"	2 7/8"	1 1/2"	6.1	5884	3592	2930	2602	-	-	-	-

* For use with Drive Tightners

All idlers above furnished with needle bearings have retainers that insure minimum internal friction and wear by Separating the Needle Rollers.

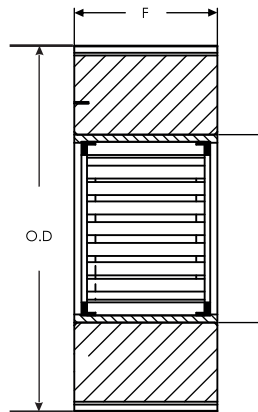
IDLERS



IDLER BUSHINGS (Converts Any H, P1, Q1 and R1 Component in to An Idler)

Part No.	Dimensions												TAPPED HOLES		TAPPED HOLES		APPROX Wt. Lbs.
	O.D	B.C	D	B	O.L	B.L	H&Y	L	P	U	R	X	NO.	SIZE	NO.	SIZE	
*IDH1 - 1/2	2 1/2"	2"	1.625"	1/2"	2 9/16"	2 1/4"	5/16"	1 1/4"	1"	1/4"	1/8"	7/8"	2	1-4" - 20	2	5/16"	0.9
*IDP1 - 5/8	3"	2 7/16"	1.937"	5/8"	3 41/64"	3 1/4"	25/64"	1 15/16"	1 15/16"	1 3/32"	7/32"	1 5/16"	2	5/16 - 18	2	3/8"	1.9
*IDQ1 - 3/4	4 1/8"	3 3/8"	2.875"	3/4"	4 7/32"	3 1/4"	15/32"	2 1/2"	1 1/4"	17/32"	7/32"	1 3/4"	2	3/8 - 16	2	7/16"	5.5
*IDQ1 - 1	4 1/8"	3 3/8"	2.875"	1"	4 39/64"	4"	39/64"	2 7/8"	1 1/2"	17/32"	7/32"	1 3/4"	2	3/8 - 16	2	7/16"	5.9
*IDR1 - 1 1/2	5 3/8"	5 5/8"	4"	1 1/2"	6 1/2"	5 1/2"	1"	2 1/2"	2 5/8"	5/8"	5/8"	2"	2	3/8 - 16	2	7/16"	14.1

* Note : Mount Stud Bolt in either direction.



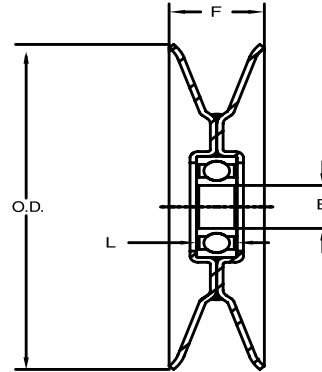
IDLER GEAR BELT PULLEY

Part No.	SHAFT LENGTH	PITCH	NO. OF GROOVES	DIMENSIONS			Wt. Lbs.	RADIAL LOAD CAPACITY IN POUNDS BASED ON 2500 HOURS AVERAGE LIFE AT RPM SHOWN							
				O.D.	F	B		100	500	1000	1500	2000	2500	3000	3500
N22XL075	1 1/2"	1/5" (XL)	22	1.381"	3/4"	1/2"	0.6	665	406	331	294	269	250	237	226
N22L100	2 1/8"	3/8" (L)	22	2.602	1	1	1	2174	1327	1083	961	880	820	772	741
N16H100	2 1/8"	1/2" (H)	16	2.499	1	1	0.9	2174	1327	1083	961	880	820	772	741
N16H200	3 1/8"	1/2" (H)	16	2.499	2	1	1.9	4348	2654	2166	1922	1760	1640	1544	1482

* For Use with Drive Tighteners

All idlers above furnished with needle bearings have retainers that insure minimum internal friction and wear by Separating the needle bearings.

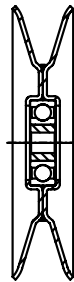
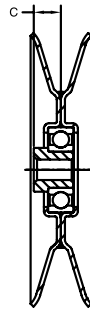
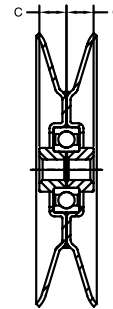
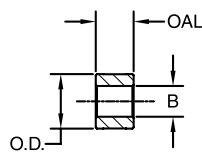
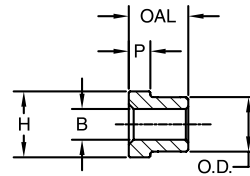
STAMPED STEEL IDLER


Table No.-1
INCH SIZES

PART NO.	DIMENSIONS					Weight LBS	RADIAL LOAD CAPACITY IN POUNDS BASED ON 2500 HOURS AVERAGE LIFE AT RPM SHOWN			
	O.D.	*BELT SIZE	B	F	L		500	1000	2000	4000
SIB40	4.0	5L-B-5V	.6693/.6690(17MM)	.81	.47	0.61	617	483	375	283
SIB50	5.0	5L-B-5V-C	.6693/.6690(17MM)	1.12	.47	1.1	617	483	375	283
SIB60	6.0	5L-B-5V-C	.6693/.6690(17MM)	1.12	.47	1.42	617	483	375	283
SIB70	7.0	5L-B-5V-C	.6693/.6690(17MM)	1.12	.47	1.95	617	483	375	283

1. Bearing Bore Adaptor must be ordered separately. See Table No.-2

* The groove will accept wrapped and notched belts.


IDLER WITH SLEEVE

**IDLER WITH SHOULDER
TYPE 1**

**IDLER WITH SHOULDER
TYPE 2**

SLEEVE TYPE

SHOULDER TYPE
Table No.- 2

PART NO.	DIMENSIONS						TYPE	WEIGHT LBS.
	B	C	O.D.	OAL	H	P		
IDLER BBA1	.376/.380	-	.6698(17MM)	.46	-	-	SLEEVE	0.06
IDLER BBA2	.501/.505	-	.6698(17MM)	.46	-	-	SLEEVE	0.06
IDLER BBA3	.376/.380	0.5	.6698(17MM)	.73	.81	.26	SHOULDER TYPE 1	0.06
IDLER BBA4	.501/.505	0.5	.6698(17MM)	.73	.81	.26	SHOULDER TYPE 1	0.06
IDLER BBA5	.376/.380	0.5	.6698(17MM)	.49	.81	.26	SHOULDER TYPE 2	0.05
IDLER BBA6	.501/.505	0.5	.6698(17MM)	.49	.81	.26	SHOULDER TYPE 2	0.05

* Drawings are for reference only.

* Idlers above contain sealed ball bearings.

* Idler sheaves and bearing bore adaptors are sold separately.

* See page 2 for factors to use for Average Life of more or less than 2500 hours.

STAMPED STEEL IDLER



Features and Benefits

- Wide Range of O.D.'s: 4.0", 5.0", 6.0", 7.0"
- Bore Sizes Available in 3/8", 1/2" and 17 mm
- Special Seam Weld For Added Strength
- Sealed for Life Ball Bearing
- Available From Stock

When using idlers, take careful consideration to the following :

1. All idlers should be used on the slack side of the drive.
2. V-belt drive idlers should be used on the inside of the belt. Allowance should be made for horsepower loss due to the reduced arc of contact.
3. Where necessary to use V-belt drive idlers on the outside of the belt, the reverse bending will reduce belt life.
4. Idlers used on the inside of a drive should be located approximately 1/3 of the center distance from the large sheave.
5. Idlers used on the outside of a drive should be located approximately 1/3 of the center distance from the small sheave.

AVERAGE LIFE FACTORS

Radial Load Capacities are based on 2500 Hours Average Life. If another average life is desired, these ratings must be modified by factors as follows:

500 Hours — 1.71	4000 Hours — 0.85	9000 Hours — 0.65
1000 Hours — 1.36	5000 Hours — 0.79	10000 Hours — 0.63
1500 Hours — 1.19	6000 Hours — 0.75	15000 Hours — 0.55
2000 Hours — 1.07	7000 Hours — 0.71	20000 Hours — 0.50
3000 Hours — 0.94	8000 Hours — 0.68	



BEARINGS

TYPE "E" TAPERED ROLLER-PILLOW BLOCK UNITS

2-Bolt Base E-P2B-TRB Shaft Size > 1-3/16" To 3-1/2" & 70mm To 90mm
4-Bolt Base E-P4B-TRB Shaft Size > 2-1/4" To 5" & 70mm To 125mm
Solid Base & Case Hardened

SAF SPLIT PILLOW BLOCK UNITS

SAF 22513 To SAF 22544 Shaft Size > 2-3/16" To 7-15/16"
Bearing Part no. > 22213CAKC3W33 To 22244CAKC3W33
Seal Types > LER Seal, LOR Seal, Stab Ring,
End Cover, Taconite Seal, Triple Ring

MOUNTED BALL BEARING UNITS

Pillow Blocks, 2, 3 & 4 Bolt Flange Blocks, Bores 1/2" to 3" & 12 to 75mm
Screw Conveyor Hanger Unit, Bores 1/2" to 3"
Take-Up Units – Wide Slot, Bores 1/2" to 2 7/16 & 12 to 65mm
Rubber Mounted-Cylindrical & Spherical Cartridge, Bores 1/2" to 1 1/4"
Insert Bearings , Bores 1/2" to 3"

CAM FOLLOWER BEARINGS

CF-B & CF-SB, CFH & CFH-S series with sealed & unsealed

NEEDLE ROLLER BEARINGS

MR Series, MI Inner races

TRACK ROLLER BEARINGS

Plain, plain Eccentric, Flanged, Flanged Eccentric, V-grooved And V-grooved Eccentric Track Roller



BELTS

BELT RANGE

FHP V-Belts • Classical V-Belts • Notched V-Belts • 358 V-Belts

A18 - A200

B22 - B472

C5 - C480

2L080 - 5L1000

AX19 - AX180

BX24 - BX300

CX51 - CX360

8V1000 - 8V5600

3V250 - 3V1400

3VX250 - 3VX1500

5V560 - 5V3550

5VX402 - 5VX2000

MXL, XL, L, H, XH, XXH belts up to 36"

3M, 5M, 8M, 14M & 20M HTD belts up to 36"

T2.5, T5, T10 & T20 belts up to 12"

AT5, AT10 & AT20 belts up to 12"

Poly Chain® Belts are also available.



COUPLINGS

GRID COUPLING

Available 24 industry standard sizes (1020 - 1260) with a max. bore of 18.5" and max. torque of 1,650,000 in-lbs. Both horizontal (T10) and vertical (T20) split covers are available. Fully interchangeable with industry standard tapered grid couplings by component.

GEAR COUPLING

Available in 12 industry standard sizes ranging from 1020 -1070. and maximum bore of 10 7/8" and maximum torque rating of 1,197,000 in-lbs. AGMA bolt pattern insures interchangeability by half with other industry standard couplings.

JAW COUPLING

Type L Jaw Couplings are available in 12 hub sizes - L035 to L225 and are interchangeable with all industry standard Type L Jaw couplings. Steel hubs are available in sizes from 1/8" to 2 5/8", Spider/Inserts are available in Buna-N, Urethane and Hytrel to suit your application requirements.

CHAIN COUPLING

Double Roller Chain Couplings are a very simple design coupling utilizing 2 sprocket hubs connected by a single strand of double roller chain. The roller chain ends are easily assembled/disassembled to facilitate a quick and easy installation or removal. Covers are suggested for higher speed applications to insure proper lubrication.



TIGHTENERS & IDLERS

Tighteners and Tightener Shafts are available for variety mounting configurations for use with idler sprockets, Gearbelt pulley idlers and V-belt idlers .

BELT ACCESSORIES

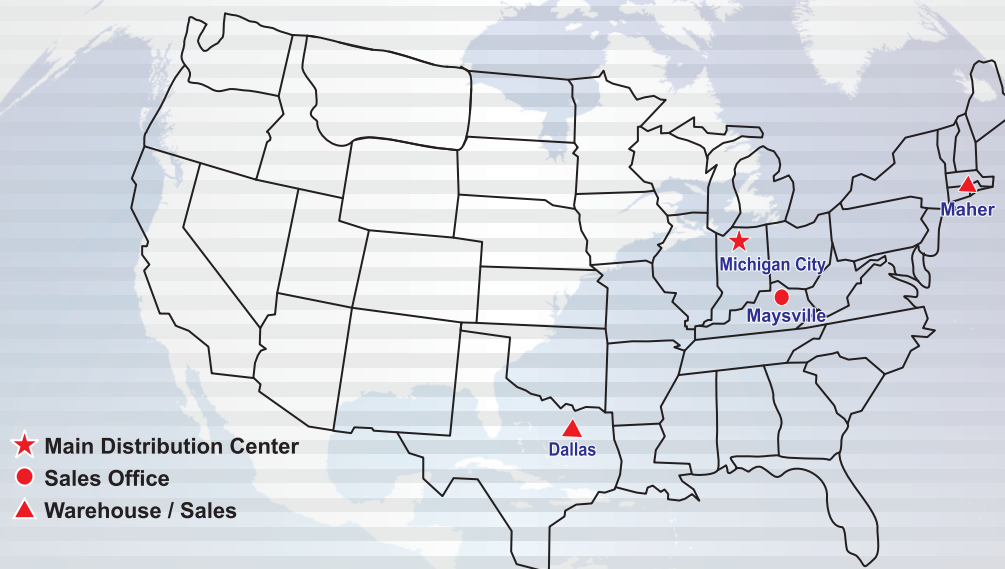
V-Belt Tension Checker

V-Belt Rule

Wall Rack

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